SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 10260 Series Oxygen Regulator Assembly

1. BACKGROUND
   A. Component Maintenance Manual (CMM) 35-20-57 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form will be incorporated into the CMM at the next revision.
   B. You are authorized to copy the form on pages 2 and 3. If you copy the form on pages 2 and 3, you must copy all of the form.
   C. Use this form only for the AVOX Systems components printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.
2. EFFECTIVITY
   A. Aircraft

      The Test Data Sheets on pages 2 and 3 can be used for all units whether removed from any aircraft or from spares inventory.
   B. This SIL applies to all Oxygen Regulator Assemblies 10260 Series.
3. MATERIALS

   The only material required by this SIL is the Test Data Sheet on pages 2 and 3.
4. ACCOMPLISHMENT OF SIL
   A. Make complete copies of the Test Data Sheet on pages 2 and 3.
   B. Use a copy of the Test Data Sheet from pages 2 and 3 to record the results of tests whenever a P/N 10260 Series Oxygen Regulator Assembly is tested.
5. TO CONTACT AVOX SYSTEMS:

   Use the contact information below to get a copy of a CMM or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

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AVOX Systems

CMM 35-20-57
TEST DATA SHEET A
10260 Series Regulator Assembly

Tested by: _____ **Date:** _____ **Part Number:** 10260- ____

Inspected by: _____ **Date:** _____ **Serial Number:** _____

Refer to the CHECK and the TESTING AND FAULT ISOLATION sections of CMM 35-20-57.

2. **Inspection, Repair, and Replacement**
   Inspect the assembly and parts for evidence for external damage, scoring, thread damage, and overall condition. Verify no evidence of deterioration to elastomer parts. Verify that any parts that are no longer serviceable have been replaced.

☐ FAIL PASS ☐

5. **Test Procedures**
   A. External Leakage Test
   Perform an external leakage test.

Inlet Pressure psig (MPa)	Duration (min.)	0 Leakage Allowed
1800 (12.41)	2.0	☐ FAIL PASS ☐

5. **Test Procedures**
   B. Internal Leakage Test
   Perform an internal leakage test.

Inlet Pressure psig (MPa)	Duration (min.)	0 Leakage Allowed
150 (1.03)	10	☐ FAIL PASS ☐
1800 (12.41)	10	☐ FAIL PASS ☐

5. **Test Procedures**
   C. Relief Valve Tests
   Perform a cracking pressure, flow, and reseat pressure test.

	Flow = 200 lpm		
Part Number	Inlet Pressure psig (MPa)	Test	
10260-00 10260-02 10260-04 10260-18	140 (0.97) Max.	Verify Flow	☐ FAIL PASS ☐
	90 (0.63) Max.	Valve Reseats & No Leakage From Relief Valve	☐ FAIL PASS ☐
	100 (0.69) Max.	No Leakage From Relief Valve	☐ FAIL PASS ☐
	110 (0.76) Max.	Relief Valve Shall Leak	☐ FAIL PASS ☐
10260-06 10260-08	160 (1.10) Max.	Verify Flow	☐ FAIL PASS ☐
	110 (0.76) Max.	Valve Reseats & No Leakage From Relief Valve	☐ FAIL PASS ☐
	120 (0.83) Max.	No Leakage From Relief Valve	☐ FAIL PASS ☐
	130 (0.89) Max.	Relief Valve Shall Leak	☐ FAIL PASS ☐

NOTE: Flows are given for oxygen test gas @ NTPD. Apply appropriate correction factor if another medium is used.

AVOX Systems

CMM 35-20-57
TEST DATA SHEET B
10260 Series Regulator Assembly

Tested by: _____ **Date:** _____ **Part Number:** 10260- ____

Inspected by: _____ **Date:** _____ **Serial Number:** _____

5. Test Procedures

D. Flow Test

Perform a flow test.

Inlet Pressure psig (MPa)	Outlet Flow lpm	Outlet Pressure psig (MPa)		
		10260-00, -02, -04, -18	10260-06, -08	
150 (1.03)	0	70-75 (0.48-0.52)	94 (0.65) Max.	☐ FAIL PASS ☐
	2	*	*	☐ FAIL PASS ☐
	100	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
	200	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
	300	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
1800 (12.41)	0	60-75 (0.41-0.52)	94 (0.65) Max.	☐ FAIL PASS ☐
	100	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
	200	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
	300	50-75 (0.34-0.52)	70-94 (0.48-0.65)	☐ FAIL PASS ☐
* Output pressure shall not drop more than 8 psig (0.06 MPa) from the output pressure at 150 psig (1.03 MPa) input and 0 lpm flow.				

5. Test Procedures

E. Shelf Storage Test

Perform a shelf storage test.

Store Regulator	Repeat Tests 5.C. and 5.D.
48 hours Min.	☐ FAIL PASS ☐

NOTE: Flows are given for oxygen test gas @ NTPD. Apply appropriate correction factor if another medium is used.